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## Patent Abstracts of Japan

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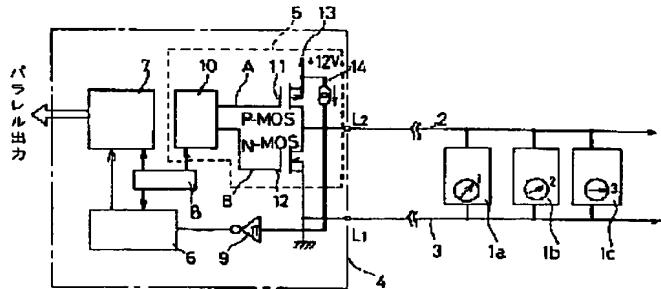
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APPLICANT : TAKENAKA DENSHI KOGYO KK;

INVENTOR : YAMAMOTO TAKESHI;

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**TITLE : MULTIPLEX CONNECTION SENSOR CIRCUIT**



**ABSTRACT :** PURPOSE: To collectively supply power supply voltage from a demodulator side and to receive a detection signal in an easily identifiable state by modulating the pulse time width of a transmission line in each period in accordance with the detection state of each sensor.

**CONSTITUTION:** Gate voltage is outputted from a drive control circuit alternately at the timing of A and B, a P-MOSFET 11 is turned on when the gate voltage is low and power supply voltage is impressed to respective sensors through a transmission line 2. On the other hand, N-MOSFET 12 is turned on when the gate voltage is high to execute a reset function for returning the voltage of the line 2 to 0V by discharging electric charge stored in a transmission line. Only sensors whose addresses coincide with each other out of plural sensors 1a to 1c are alternately driven and the potential of the line 2 is turned to low. When a signal inverted by an inverter circuit 9 is received, the receiving time is judged by identify the detection state of each sensor.

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